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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 3

Complete if Known

Application Number	10/016,505
Filing Date	December 10, 2001
First Named Inventor	Laird
Art Unit	1634
Examiner Name	Jeanine Anne Goldberg
Attorney Docket Number	47675-62

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
JS	US1	US-5,876,930	03-02-1999	Flood et al.	
	US2	US-5,804,375	09-08-1998	Gelfand et al.	
	US3	US-5,736,333	04-07-1998	McBride et al.	
	US4	US-5,866,338	02-02-1999	Nazarenko et al.	
	US5	US-5,210,015	05-11-1993	Gelfand et al.	
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
JS	F1	WO 9746705	12-11-1997	Univ Johns Hopkins Med		

Examiner Signature	J. Goldberg	Date Considered	10/26/04
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				Examiner Name	Jeanine Anne Goldberg
Sheet	2	of	2	Attorney Docket Number	47675-62

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
JP	O1	HERMAN, J.G. et al., Methylation-specific PCR: A novel PCR Assay for Methylation Status of CPG Islands, Proc. Natl. Acad. Sci. 93:9821-9826, 1996		
	O2	ZESCHNIGK, M. et al., A single-tube PCR test for the diagnosis of Angelman and Prader-Willi Syndrome based on allelic methylation differences at the SNRPN locus, Eur. J. Human Genet. 5:94-98, 1997		
	O3	KUBOTA, T. et al., A new assay for the analysis of X-chromosome inactivation based on methylation-specific PCR, Human Genet. 104:49-55, 1999		
	O4	BERNARD, P.S. et al., Homogeneous multiplex genotyping of hemochromatosis mutations with fluorescent hybridization probes, Am. J. Pathol. 153:1055-1061, 1998		
	O5	LEE, L.G. et al., Allelic Discrimination BZ nick-translation PCR with fluorogenic probes, Nucl. Acids. Res. 21:3761-3766, 1993		
	O6	HEID, C.A. et al., Real time quantitative PCR, Genome Research, Cold Spring Harbor Laboratory Press 6:986-994, 1996		
	O7	GIBSON, U.E.M. et al., A novel method for real time quantitative RT-PCR, Genome Research, Cold Spring Harbor Laboratory Press 6:995-1001, 1996		
	O8	LIVAK, K.J. et al., Oligonucleotides with fluorescent dyes at opposite ends provide a quenched probe system useful for detecting PCR product and nucleic acid hybridization, PCR Methods and Applications, 4:357-362, 1995		
	O9	SWAN, David C. et al., A sensitive type-specific, fluorogenic probe assay for detection of human papillomavirus DNA, J. Clin. Microbiol. 35:886-891, 1997		
	O10	TYAGI, S. et al., Multicolor molecular beacons for allele discrimination, Nature Biotechnology, 16:49-53, 1998		



<input checked="" type="checkbox"/>	O11	FROMMER, M. et al., A genomic sequencing protocol that yields a positive display of 5-methylcytosine residues in individual DNA strands, Proc. Natl. Acad. Sci. 89:1827-1831, 1992	
<input checked="" type="checkbox"/>	O12	REIN et al., Identifying 5-methylcytosine and related modifications in DNA genomes, Nucl. Acids Res. 26:2255-2264, 1998	
<input checked="" type="checkbox"/>	O13	HOLLAND, P.M. et al., Detection of specific polymerase chain reaction product by utilizing the 5' → 3' exonuclease activity of <i>thermus aquaticus</i> DNA polymerase, Proc. Natl. Acad. Sci. 88:7276-7280, 1991	
<input checked="" type="checkbox"/>	O14	NAZARENKO et al., A closed tube format for amplification and detection of DNA based energy transfer, Nucl. Acids. Res. 25:2516-2521, 1997	
<input checked="" type="checkbox"/>	O15	TYAGI, S. et al., Molecular Beacons: Probes that fluoresce upon hybridization, Nature Biotechnology 14:303-308, 1996	

Examiner Signature	<i>J. Goldberg</i>	Date Considered	<i>10/26/04</i>
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.